

| L Number | Hits | Search Text  | DB  | Time stamp       |
|----------|------|--|---|------------------|
| 2        | 6    | ((166/\$.ccls.) (175/\$.ccls.)) and ((shock near3 absorb\$3) with (aluminum titanium magnesium ceramic))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/29 15:52 |
| 3        | 0    | ((166/\$.ccls.) (175/\$.ccls.)) and ((fish near3 tool) with (aluminum titanium magnesium ceramic))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/29 14:39 |
| 4        | 0    | ((166/\$.ccls.) (175/\$.ccls.)) and ((fish\$4 near3 tool) with (aluminum titanium magnesium ceramic))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/29 14:39 |
| 5        | 110  | ((166/\$.ccls.) (175/\$.ccls.)) and (grap\$5 with (aluminum titanium magnesium ceramic))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/29 14:44 |
| 6        | 0    | ((166/\$.ccls.) (175/\$.ccls.)) and (grap\$5 with (aluminum titanium magnesium ceramic))) and (expand\$4 with (aluminim titanium magnesium ceramic))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/29 14:40 |
| 7        | 1    | ((166/\$.ccls.) (175/\$.ccls.)) and (grappl\$4 with (aluminum titanium magnesium ceramic))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/29 14:41 |
| 8        | 7    | ((166/\$.ccls.) (175/\$.ccls.)) and (fish\$4 with (aluminum titanium magnesium ceramic))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/29 14:42 |
| 9        | 5    | ((166/\$.ccls.) (175/\$.ccls.)) and (fish\$4 with (plastic elastic))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/29 14:42 |
| 10       | 23   | ((166/\$.ccls.) (175/\$.ccls.)) and ((junction lateral branch) with (aluminum titanium magnesium ceramic))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/29 14:49 |
| 11       | 545  | ((166/\$.ccls.) (175/\$.ccls.)) and ((junction lateral branch) with (expand\$4 deform plastic elastic))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/29 14:50 |
| 12       | 545  | ((166/\$.ccls.) (175/\$.ccls.)) and ((junction lateral branch) with (expand\$4 deform plastic elastic))) and ((junction branch lateral) wtih material)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/29 14:51 |
| 13       | 545  | ((166/\$.ccls.) (175/\$.ccls.)) and ((junction lateral branch) with (expand\$4 deform plastic elastic))) and ((junction branch lateral) wtih (material near4 (plastic expand\$4 deform fracture elastic))) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/29 14:52 |

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| 14 | 33   | ((166/\$.ccls.) (175/\$.ccls.)) and ((junction lateral branch) with (expand\$4 deform plastic elastic))) and ((junction branch lateral) with (material near4 (plastic expand\$4 deform fracture elastic))) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/29 14:52 |
| 15 | 10   | ((166/\$.ccls.) (175/\$.ccls.)) and (super adj plastic)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/29 14:56 |
| 16 | 454  | ((166/\$.ccls.) (175/\$.ccls.)) and (Monel Inconel)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/29 14:57 |
| 17 | 16   | ((166/\$.ccls.) (175/\$.ccls.)) and (Monel Inconel)) and (shock near3 absorb\$4)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/29 14:58 |
| 18 | 0    | ((166/\$.ccls.) (175/\$.ccls.)) and (Monel Inconel)) and ((shock near3 absorb\$4) near4 (Monel Inconel))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/29 14:58 |
| 19 | 0    | ((166/\$.ccls.) (175/\$.ccls.)) and (Monel Inconel)) and (fish\$4 near4 (Monel Inconel))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/29 14:58 |
| 20 | 54   | ((166/\$.ccls.) (175/\$.ccls.)) and ((slip wedge dog) with (Monel Inconel aluminum titanium magnesium ceramic))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/29 15:04 |
| 29 | 266  | (vehicle automobile auto\$4) and ((shock near3 absorb\$3) with (aluminum titanium magnesium ceramic))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/29 15:46 |
| 30 | 0    | ((166/\$.ccls.) (175/\$.ccls.)) and ((shock near3 absorber) with (aluminum titanium magnesium ceramic))  | USOCR   | 2004/06/29 15:54 |
| 31 | 0    | ((166/\$.ccls.) (175/\$.ccls.)) and (superplastic (super adj plastic))   | USOCR   | 2004/06/29 15:54 |
| -  | 10   | ("20020060079") or ("20020166668") or ("5109355") or ("4081031") or ("5941313") or ("3812912") or ("6457518") or ("4750560") or ("6056838") or ("5648612")).PN.  | USPAT;<br>US-PGPUB                                      | 2004/02/24 08:13 |
| -  | 2    | ("6474414").PN.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/02/24 08:13 |
| -  | 2678 | superplastic   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/02/24 08:16 |
| -  | 3    | superplastic and (wellbore (well adj bore) borehole downhole (down adj hole))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/02/24 08:30 |
| -  | 5    | ("4043266"   "4297946"   "4766813"   "5279228"   "5509356").PN.  | USPAT   | 2004/02/24 08:15 |

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|---|-------|---|---|------------------|
| - | 2     | superplastic and ((166/\$.ccls.) (175/\$.ccls.))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/02/24 08:17 |
| - | 4     | ((("6109355") or ("6056835")).PN.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/02/24 11:18 |
| - | 81602 | screen and expand\$4  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/02/24 11:19 |
| - | 56839 | ((166/\$.ccls.) (175/\$.ccls.))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/02/24 11:19 |
| - | 1151  | ((((166/\$.ccls.) (175/\$.ccls.))) and (screen and expand\$4))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/02/24 11:31 |
| - | 2     | (((((166/\$.ccls.) (175/\$.ccls.))) and (screen and expand\$4)) and (screen near3 (aluminum titanium magnesium)))                       | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/29 07:45 |
| - | 2     | (((((166/\$.ccls.) (175/\$.ccls.))) and (screen and expand\$4)) and (screen near5 (aluminum titanium magnesium)))                       | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/02/24 11:30 |
| - | 15    | (((((166/\$.ccls.) (175/\$.ccls.))) and (screen and expand\$4)) and (screen near5 ((soft ductile plastic\$4)))                          | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/02/24 11:22 |
| - | 70    | (((((166/\$.ccls.) (175/\$.ccls.))) and (screen and expand\$4)) and (screen near5 ((soft ductile plastic\$4) near superplastic metal))) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/02/24 11:29 |
| - | 6     | (((((166/\$.ccls.) (175/\$.ccls.))) and (screen and expand\$4)) and (screen near5 ((soft ductile plastic\$4) near3 metal)))             | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/02/24 11:29 |
| - | 21    | (((((166/\$.ccls.) (175/\$.ccls.))) and (screen and expand\$4)) and (screen same (aluminum titanium magnesium)))                        | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/02/24 11:31 |
| - | 298   | ((((166/\$.ccls.) (175/\$.ccls.))) and ((sand near3 screen) and expand\$4))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/02/24 11:31 |
| - | 6     | (((((166/\$.ccls.) (175/\$.ccls.))) and ((sand near3 screen) and expand\$4)) and (screen same (aluminum titanium magnesium)))           | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/02/24 11:33 |

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| - | 3723 | ((((166/\$.ccls.) (175/\$.ccls.))) and ((releas\$4 near3 (connector coupling)) (shear near3 (pin bolt screw))))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/02/24 11:35 |
| - | 15   | ((((166/\$.ccls.) (175/\$.ccls.))) and (((releas\$4 near3 (connector coupling)) (shear near3 (pin bolt screw)))) near5 (aluminum titanium magnesium))           | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/02/24 11:37 |
| - | 764  | ((((166/\$.ccls.) (175/\$.ccls.))) and (shap\$3 near3 charge))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/02/24 11:37 |
| - | 8    | (((((166/\$.ccls.) (175/\$.ccls.))) and (shap\$3 near3 charge)) and ((shap\$3 near3 charge) near5 (aluminum titanium magnesium)))                               | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/02/24 11:40 |
| - | 54   | ((((166/\$.ccls.) (175/\$.ccls.))) and (expander near3 piston))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/02/24 12:25 |
| - | 0    | (((((166/\$.ccls.) (175/\$.ccls.))) and ((fish\$3 grappl\$4) near3 expand\$4)) and (((fish\$3 grappl\$4) near3 expand\$4) near5 (aluminum titanium magnesium))) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/02/24 11:42 |
| - | 50   | ((((166/\$.ccls.) (175/\$.ccls.))) and ((fish\$3 grappl\$4) near3 expand\$4))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/02/24 11:54 |
| - | 10   | 4100968.URPN.   | USPAT   | 2004/02/24 11:44 |
| - | 12   | ("1790761"   "1917135"   "2190442"   "2633333"   "2956782"   "2984302"   "3149676"   "3303730"   "3322006"   "3380528"   "3570598"   "3664439").PN.             | USPAT   | 2004/02/24 11:45 |
| - | 0    | (((((166/\$.ccls.) (175/\$.ccls.))) and (expand\$4 near3 junction)) and ((expand\$4 near3 junction) near5 (aluminum titanium magnesium)))                       | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/02/24 11:55 |
| - | 27   | ((((166/\$.ccls.) (175/\$.ccls.))) and (expand\$4 near3 junction))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/02/24 11:55 |
| - | 53   | (((((166/\$.ccls.) (175/\$.ccls.))) and (expander near3 piston)) and (packer seal))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/02/24 12:26 |
| - | 4    | ((("6474414") or ("6109355")).PN.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/28 08:16 |
| - | 2    | ("6056835").PN.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/28 08:44 |

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| - | 2   | ((166/\$.ccls.) (175/\$.ccls.)) and superplastic  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/29 07:38 |
| - | 31  | ((166/\$.ccls.) (175/\$.ccls.)) and ((seal expand\$4 anchor) near3 (aluminum titanium magnesium))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/29 07:49 |
| - | 147 | ((166/\$.ccls.) (175/\$.ccls.)) and ((seal expand\$4 anchor) with (aluminum titanium magnesium))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/29 07:50 |
| - | 116 | ((((166/\$.ccls.) (175/\$.ccls.)) and ((seal expand\$4 anchor) with (aluminum titanium magnesium))) not (((166/\$.ccls.) (175/\$.ccls.)) and ((seal expand\$4 anchor) near3 (aluminum titanium magnesium))) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/29 07:50 |